

Product datasheet for **TA365974S**

PSMB3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat cell lysate IHC: 100-300 Positive control: Human colorectal cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PSMB3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	23 kDa
Gene Name:	proteasome subunit beta 3
Database Link:	Entrez Gene 5691 Human P49720



[View online »](#)

Background:

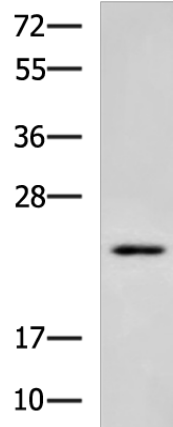
The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. The 26 S proteasome may be involved in trinucleotide repeat expansion, a phenomenon which is associated with many hereditary neurological diseases. Pseudogenes have been identified on chromosomes 2 and 12. Alternative splicing results in multiple transcript variants.

Synonyms:

HC10-II; MGC4147

Product images:

kDa



Gel: 8%SDS-PAGE

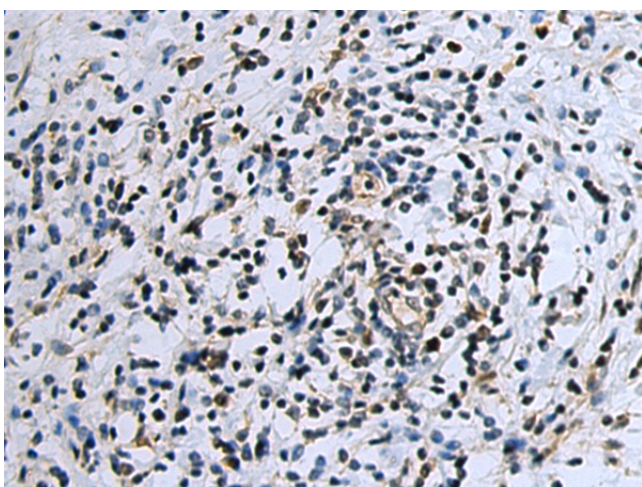
Lysate: 40 µg

Lane: Jurkat cell lysate

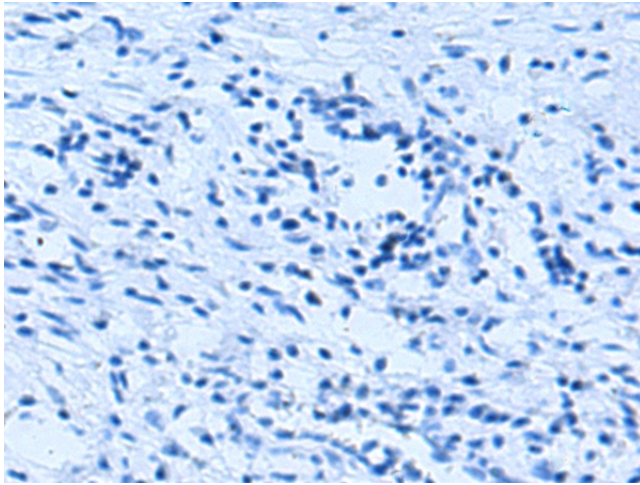
Primary antibody: [TA365974] (PSMB3 Antibody)
at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at
1/5000 dilution

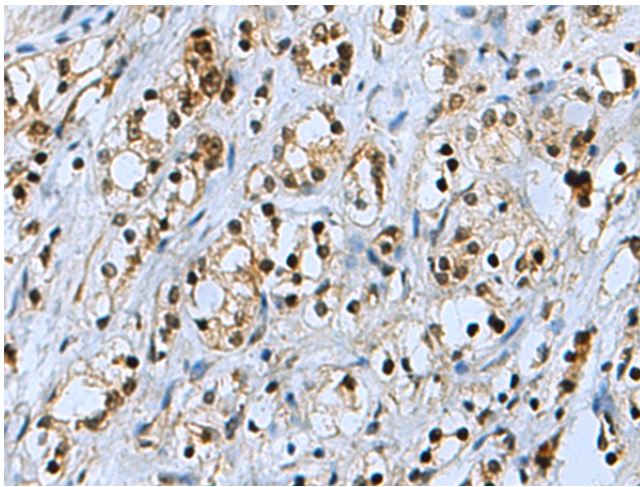
Exposure time: 1 minute



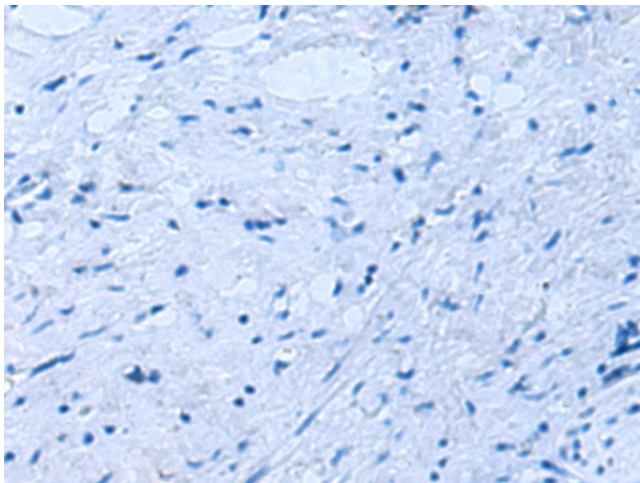
Immunohistochemistry of paraffin-embedded
Human colorectal cancer tissue using [TA365974]
(PSMB3 Antibody) at dilution 1/150 (Original
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA365974] (PSMB3 Antibody) at dilution 1/150, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA365974] (PSMB3 Antibody) at dilution 1/150 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA365974] (PSMB3 Antibody) at dilution 1/150, treated with fusion protein. (Original magnification: $\times 200$)